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PATENT

Attorney's Docket No. 5718-16A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Rao, et al.

Appl. No.: 09/478,598

Group Art Unit: 1652

Filed: 1/6/2000

For: COMPOSITIONS AND METHODS FOR ALTERING AMINO ACID
CONTENT OF PROTEINS

November 6, 2000

4/8
J/B
11/17/00

Assistant Commissioner for Patents
Washington, DC 20231

SECOND PRELIMINARY AMENDMENT

Dear Sir:

Please amend the above-identified application as follows:

In The Claims:

Please cancel claims 23-53.

Please enter the following new claims:

B1 *SUB G3* --54. A method for altering amino acid composition of a native protein of interest whose conformation is unavailable, said method comprising introducing amino acid changes into said protein to create an engineered protein, said engineered protein having the conformation of the native protein wherein said conformation of the engineered protein is confirmed by binding said engineered protein with a set of interacting molecules capable of binding with the native protein, and wherein said molecules recognize native conformation.

55. The method of Claim 54, wherein said interacting molecules are antibodies.

11/13/2000 EEKUBAY1 00000116 09478598

01 FC:103
02 FC:102

612.00 OP
400.00 OP

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Appl. No.: 09/478,598
Filed: 1/6/2000
For: COMPOSITIONS AND METHODS FOR ALTERING AMINO ACID CONTENT OF PROTEINS

Group Art Unit: 1652
Examiner: Not Assigned

November 6, 2000

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

Transmitted herewith is an AMENDMENT in the above-identified patent application.

- Applicant claims small entity status. See 37 C.F.R. § 1.27.
 No additional fee is required.

The fee has been calculated as shown below:

(COL. 1)		(COL. 2)	(COL. 3)	SMALL ENTITY		OTHER THAN A SMALL ENTITY	
CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEE	OR RATE	ADDITIONAL FEE
TOTAL	* 65	** 31	= 34	X9=	\$	X18=	\$ 612
INDEP	* 8	*** 3	= 5	X40=	\$	X80=	\$ 400
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM				+135=	\$	+270=	\$
				TOTAL ADD FEE \$		OR TOTAL	\$ 1,012

* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space. The "Highest Number Previously Paid For" (Total or Independent) is the highest number found from the equivalent box in Col. 1 of a prior Amendment or the number of claims originally filed.

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- Please charge my Deposit Account No. 16-0605 in the amount of \$.
- A check in the amount \$1012 to cover the additional fee is enclosed.
- The Commissioner is hereby authorized to charge any deficiency in payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 16-0605.
- Any additional filing fees required under 37 C.F.R. § 1.16 for the presentation of extra claims.
- Any patent application processing fees under 37 C.F.R. § 1.17.

Respectfully submitted,

W. Murray Spruill
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CERTIFICATION OF FACSIMILE TRANSMISSION

I hereby certify that this paper is being facsimile transmitted to the Patent and Trademark Office at Fax No. on the date shown below.

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner For Patents, Washington, DC 20231, on November 6, 2000.

Pamela Lockley